AMENDMENTS

In the Claims

1.   (Currently Amended) A method for processing names by a naming service within a data processing system, the method comprising:

obtaining an application name that is associated with an application;

obtaining a deployment name that is associated with a deployment attribute that
characterizes a deployment of an instance of the application;

generating an application-based name for the instance of the application; ~~and~~

storing the application-based name for the instance of the application in a computer
storage medium, wherein

the application-based name represents a context within a naming system;

the application-based name is a compound name that comprises the application
name and <u>multiple deployment names associated with multiple
deployment attributes</u> ~~the deployment name~~; ~~and~~

<u>each of</u> the <u>multiple</u> deployment attribute<u>s</u> is a metadata value that characterizes a
manner in which the instance of the application is deployed within the data
processing system<u>, each of the multiple deployment attributes is selected
from a group comprising</u>

<u>a deployment identifier, the deployment identifier being a unique
identifier associated with the deployment operation, the
deployment identifier being unique over all deployment
operations within the data processing system or unique over
all deployment operations for all instances of the
application within the data processing system;</u>

<u>a version identifier or an edition identifier associated with a
version of the application; and</u>

<u>an identifier for a deployment-associated characteristic or metric;</u>

<u>binding the application-based name to a data object;</u>

<u>relating the data object to a context for an application server; and</u>

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resolving the application-based name to a previously bound data object; and wherein an application comprises a plurality of application modules, each module being associated with a module name and each module being associated with an application-based name based on its module name.

2.-24. (Cancelled)